



*Hands Co. takes pleasure in presenting*

# CUSTOM CAST METALS FOR ARCHITECTURAL DESIGN



Having enjoyed a 20 year national reputation for high quality castings for the aircraft and space industries, the Hands Division of H.&S. Metal Products is proud to introduce our foundry art to the architect, engineer and contractor.

## PRODUCTS

**ALUMASOL\*** solar screen system—custom solar screens—decorative screens.

Spandrels—tile walls—decorative facias—ornamental doors—custom architectural metal work—architectural sculpture.

**SCULPT-CAST\*** metal bas-relief murals.

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# USES FOR HANDS\* AlumaSol\* SCREEN

Solar screens for major buildings

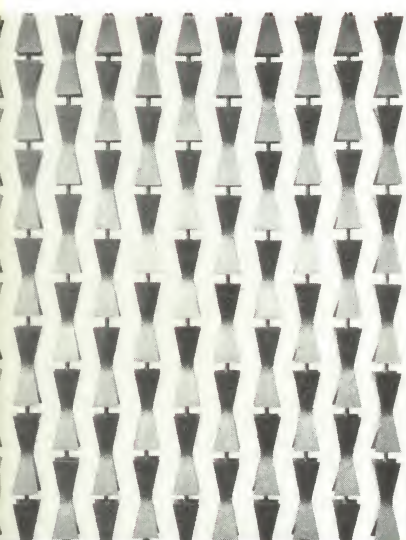
Refacing for older buildings to modernize and extend their useful life

Visual screening in terrace, garden and swimming pool areas

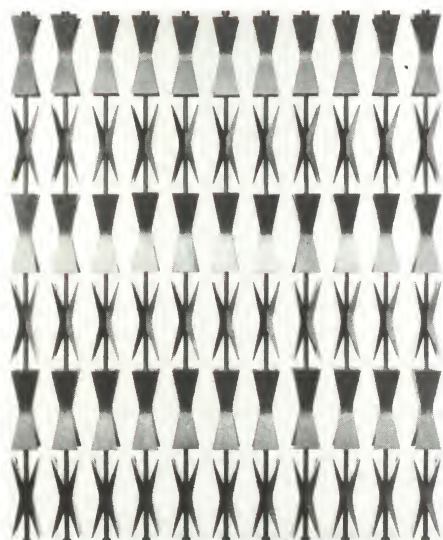
Overlays for lobby walls

Decorative grilles on walls or ceilings

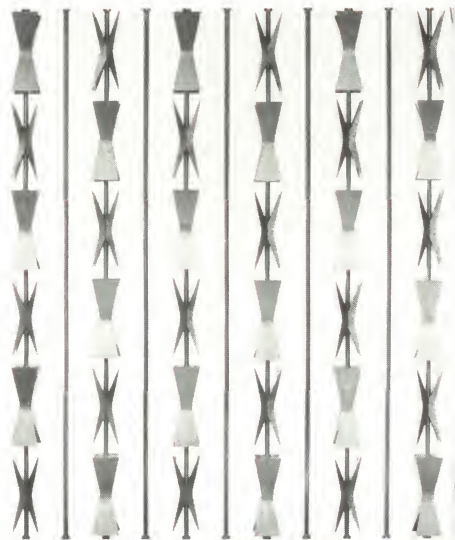
Room and space dividers



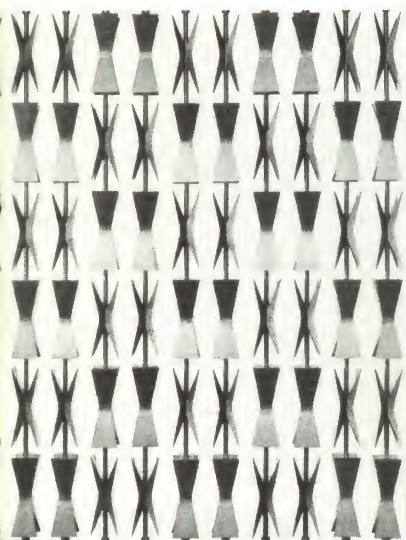
AlumaSol screen 001



AlumaSol screen 002



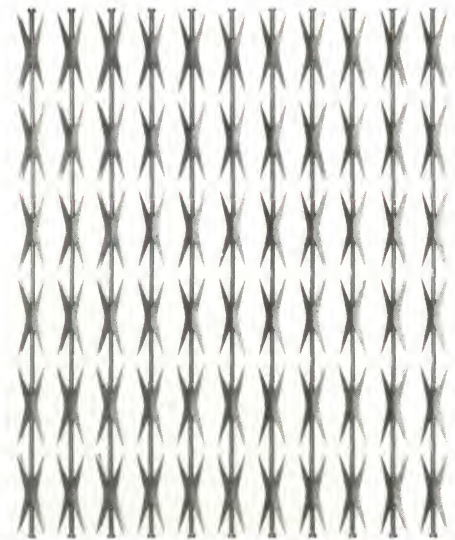
AlumaSol screen 003



AlumaSol screen 004



AlumaSol screen 005



AlumaSol screen 006

Solar and decorative screens may be "sculptured" in aluminum in any size, color or form—to *your design or ours*.

In our AlumaSol screen we have achieved a truly versatile screen design. It is a decorative grille made of aluminum castings and tubing. Design combinations are almost limitless. By pre-positioning of units the architect can achieve the exact percentage of opening required for sun control, ventilation or visual screening.

Units may be:

Assembled at various angles.

Attached on one side of tubing only.

Assembled in random patterns using architect's own design (Design model kits are loaned on request.)

Combined with standard extrusions.











# ADVANTAGES OF HANDS\* AlumaSol\* SCREEN

**ECONOMICAL**—Priced reasonably on a square foot basis. Shipping costs are lower because of lightweight aluminum. Lighter structural loads mean lower construction costs. Depending on density of design, weight per square foot runs from 2 to 4 lbs. as against 20 to 40 lbs. per square foot for masonry.

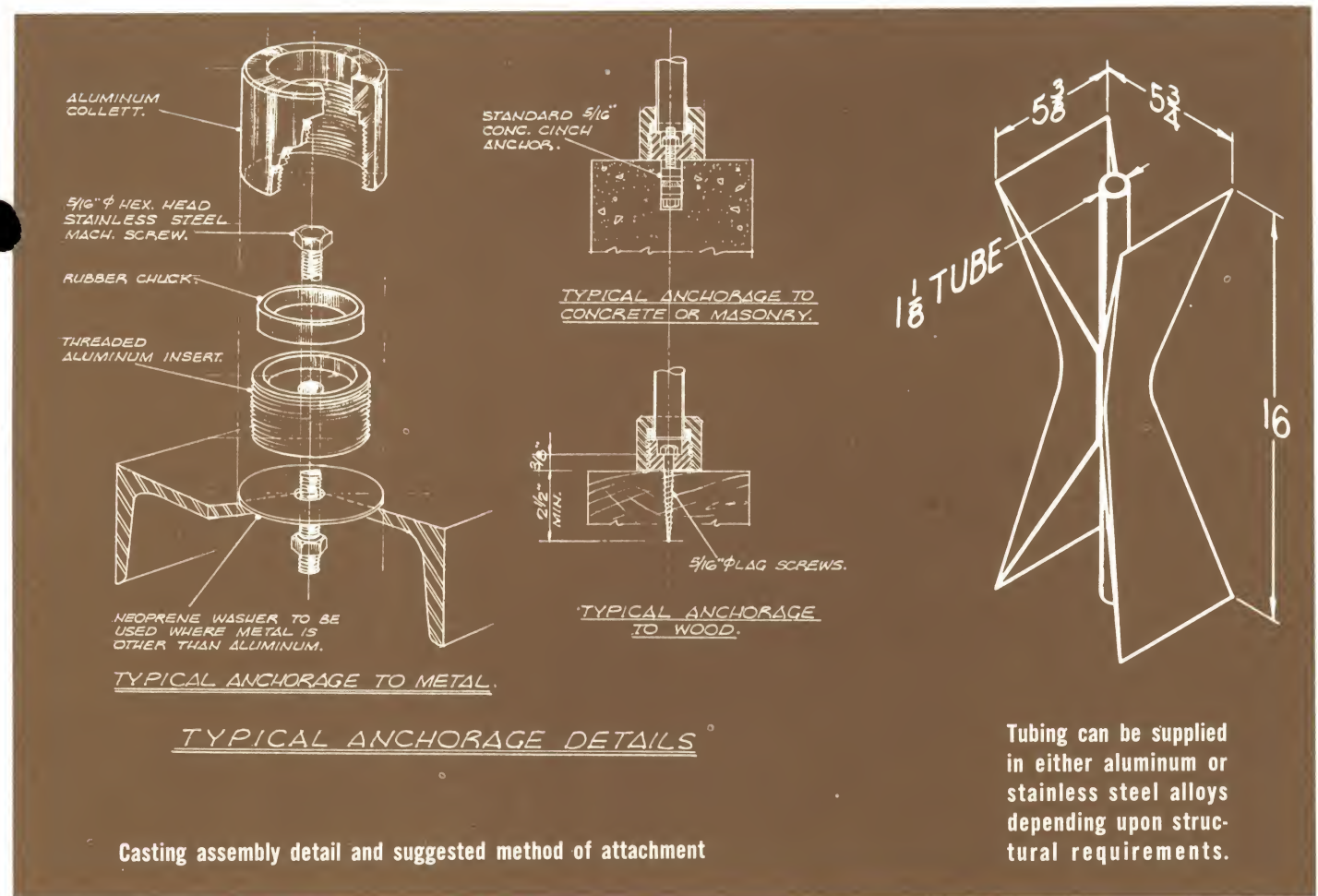
**EASY TO INSTALL**—Lightweight but strong aluminum offers savings in labor, scaffolding and equipment.

AlumaSol screens cost less to install, because assembly on the job is almost eliminated. Simply remove "screen poles" from the factory box and fasten into the framing top and bottom.

**STRENGTH**—Hands AlumaSol screens are fabricated from carefully selected alloys to meet the performance requirements of modern construction. Cast units are invisibly bolted to tubing for lifetime service—no vibration or maintenance.

**INSULATION**—AlumaSol aluminum screens reflect radiant heat but welcome cooling summer breezes.

**APPEARANCE**—Malcolm Leland, noted designer and architectural sculptor, has created freshness of design in the AlumaSol screen taking full advantage of the three dimensional flexibility of the casting process and Hands Co.'s



The screen poles are available in any length and come prefinished in a wide range of colors in coatings of thermosetting acrylic baked enamel, lightfast architectural anodic finishes, or porcelain.

20 years experience in the foundry arts. Our blending of the sculptor's and the founder's art is available for new custom or exclusive design creations devoid of geometrical sterility.



**FINISH COATINGS**—Finish coatings on the AlumaSol screen are available in a wide range of color coatings of thermosetting acrylic baked enamel, lightfast architectural anodic finishes, or porcelain. These finishes have long since proven their reliability under service conditions.

Thermosetting acrylic baked enamel finish uniquely combines the qualities of superior adhesion, marproofness, color retention, chemical resistance, flexibility, impact resistance, humidity resistance, salt spray resistance, water soak resistance, grease resistance, stain resistance, detergent resistance and outdoor durability.

Hard coat anodic finishes provide a wide selection of lightfast anodic colors which have withstood tests equivalent to years of exposure in extremely severe marine environment without evidence of surface corrosion or change in color.

The lifetime durability of procelain coating is well known. It will not peel or fade and maintains its appearance indefinitely.

**VERSATILITY**—Although it has unlimited pattern possibilities, the AlumaSol screen sys-

tem assemblies from one basic casting and standard tubing. Architects may select a design from our files or easily create their own patterns. (Model kits will be loaned on request.) Spacing of castings on the tubing may be rearranged for unusually rich effects. Open areas can be varied for light or concealment.

After selection of design the screen then may be prefabricated and prefinished for easy installation on the job.

**VERSATILITY AFTER INSTALLATION**—The architect has the option of specifying a fixed pattern or selecting one which may be changed after installation.

The selected pattern may be pinned into position permanently, or by a simple readjustment at bottom and top attachment points, the tube assembly may be rotated to any desired position to achieve a new design, or maintain maximum sun control. For example on page number 2 AlumaSol screen 002 can be quickly and simply converted to AlumaSol screen 004. It can also easily be converted to other patterns. Once converted to a new position the screen poles will be as rigid and vibrationless as in the original installation.

## SHORT FORM SPECIFICATION

### MATERIALS:

Aluminum alloys for AlumaSol screen shall be as selected by Hands Co., Los Angeles, California, and as required for the color(s) specified on the drawings.

Tubing shall be aluminum or stainless steel alloy to suit the requirements of the installation for strength and as required for the color(s) specified on the drawings.

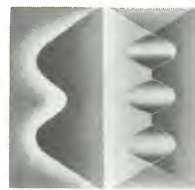
### FINISH:

Materials shall be processed to produce the color(s) specified on the drawings in the type of coating or finish selected. Processing shall be in accordance with the procedures established by architectural specifications pertinent to this product and its application.

### FASTENERS:

Fasteners shall be of proper alloy to produce the specification colors, and of sufficient strength for the application.





Shown here are a few of the many tile patterns which may be produced in lightweight cast aluminum and coated with any of the new, permanent architectural anodic finishes or thermosetting acrylics.



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## FOUNDRY ARTS

*Hands Co.'s blending of the sculptor's and the foundryman's art is always available for new custom or exclusive design creations.*

The examples shown here suggest some of the ways in which today's architect can look to Hands Co. to assist him achieve outstanding decorative effects in cast metal—custom screens, "Sculpt-cast" metal tiles, ornamental door surfaces, fountains and architectural sculpture. *Hands\* custom cast aluminum is also suggested for spandrels as a means of developing exciting new possibilities for curtain wall architecture in the creation of three dimensional light and shadow patterns.*



Cast sculpture by Malcolm Leland

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*Convey the "company image" for your client with the help of Hands\**

# Sculpt-cast\* METAL BAS-RELIEF MURALS



The first impression of beauty and value of a building is conveyed in the design and craftsmanship of the fronting wall. Lightweight aluminum "Sculpt-cast" fronting walls or murals present obvious advantages over masonry with its requirement for extensive provisions for support and anchorage to the building.

For beauty and originality of design in architectural metal products call upon the casting and creative skills of Hands Co.



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